

Demystifying Systems Life Cycle Management (LCM) – The SOA LCM Factor

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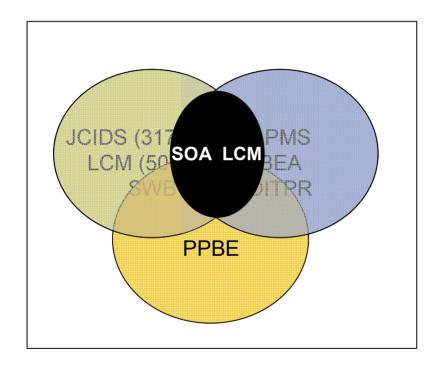


Agenda

- □ Problem Space
- SOA Define
- Web services examples
- Not Web services
- □ COIN Example
- SOA LCM Injection
- □ Takeaways



Problem Space



PLOASINGNOSIONALIEUSMAS EXCUTION

- Requirement System
- Barkstee 2024 Beshotes 160 purisherente i stringgy paront (so (FoYDP)
- Blight And Brand Brand
- **Diadricial** brite of the supposte robitecture (BEA)
- Westin Gattyskangs Brookivassavi Srystum osurrent processi tempos Produces Models (BPM)
- Progradingetalijanstate Rudesorandum (POM)
- DoD I La Virgolus altribitor Registry (DITPR)
- Softwatenedisordsingursor Flieble
 - Interoperability testing
 - Certification/Change Management



SOA is all about Web Services

Web Services Defined:

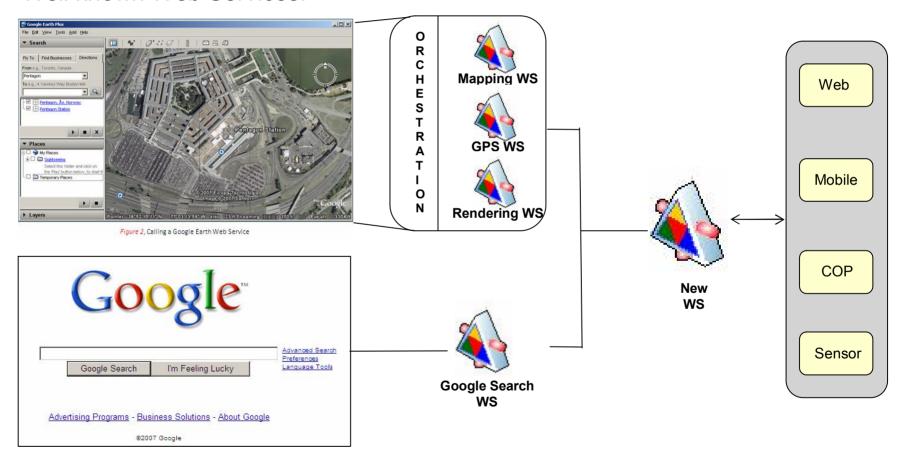
"The term *Web services* describes a standardized way of integrating Web-based applications using the XML, SOAP, WSDL and UDDI open standards over an Internet protocol backbone. XML is used to tag the data, SOAP is used to transfer the data, WSDL is used for describing the services available and UDDI is used for listing what services are available."

Source: webopedia.com



Web services Examples

Well known Web Services:





Not Web services

Services vs Web Services:



Web Outlook is a service

- XML data tagging not used
- SOAP is not used to transfer data
- WSDL is not used to define service
- UDDI is not used to discover the location



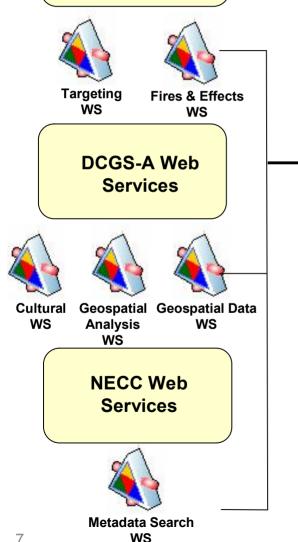
Collaboration is a service

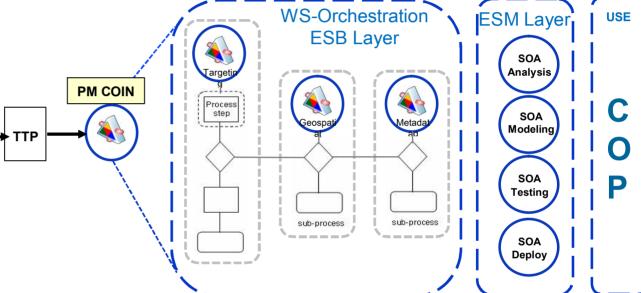
- XML data tagging can be used
- SOAP is not used to transfer data
- WSDL is not used to define service
- UDDI is not used to discover the location
- Some of the individual components are sometimes exposed as web services



FCS Component **Services**

Counterinsurgency (COIN) **Operations SOA Example**

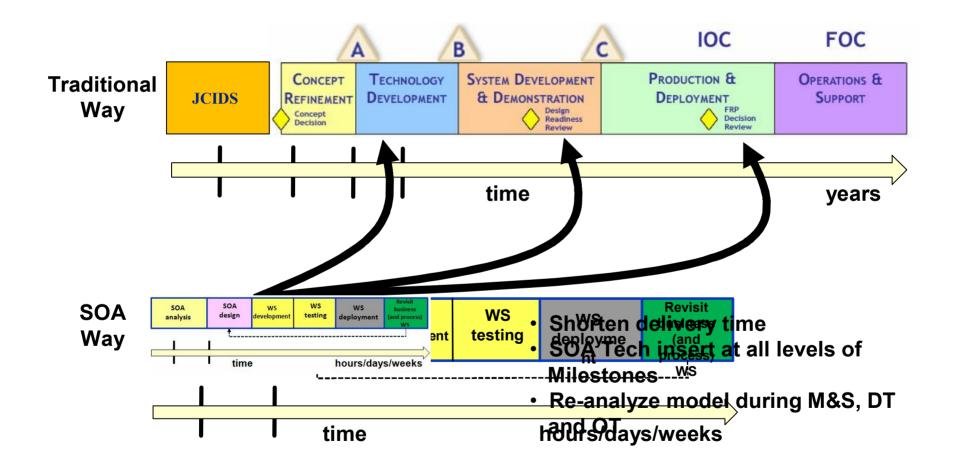




- Fuse Together
- Near real-time delivery by operators
- Leverage portfolios (re-use)
- We may need a new MOS skill



SOA LCM Injections





Takeaways

- ✓ SOA Can shorten System Life Cycle
- ✓ We must bring all players to the table
- ✓ SOA LCM can enhance our current governance process
- ✓We must create automated process for current SOA portfolio within APMS and BEA

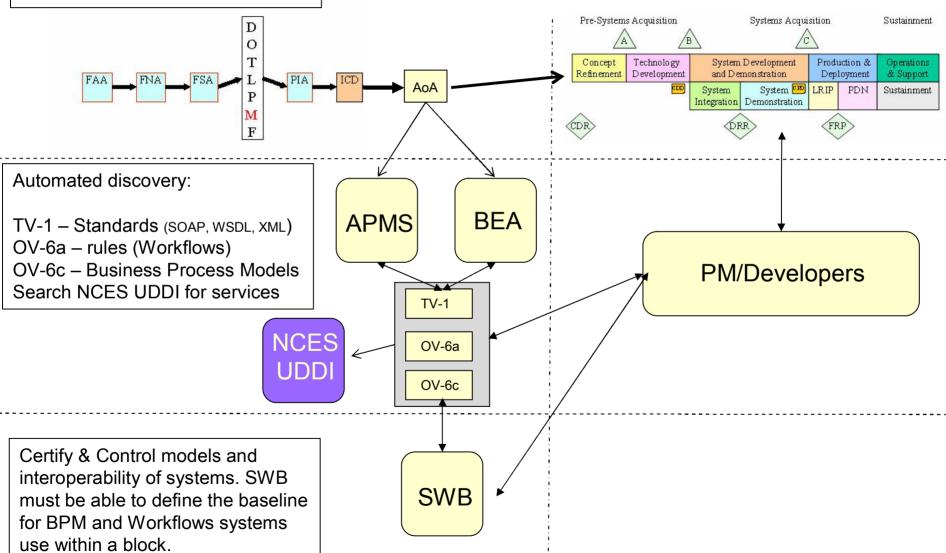


BACKUPS



SOA INPUTS

Leverage our current Web Services and Business Models





SOA LIFE CYCLE MANAGEMENT

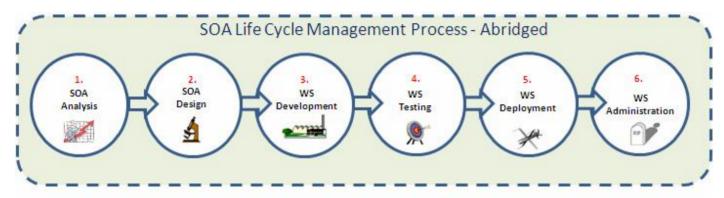
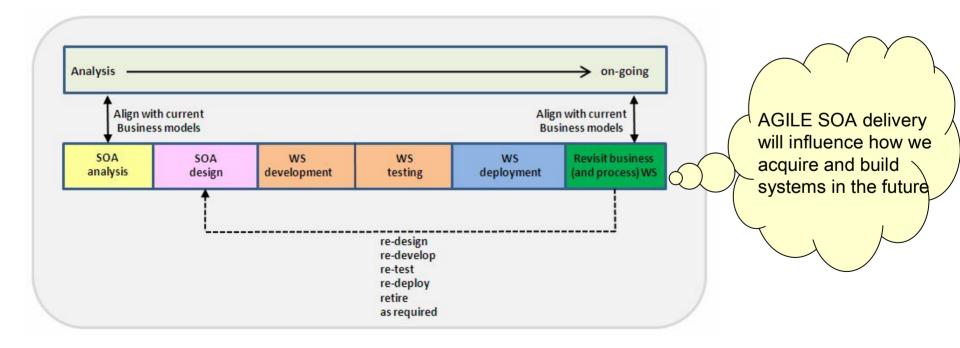
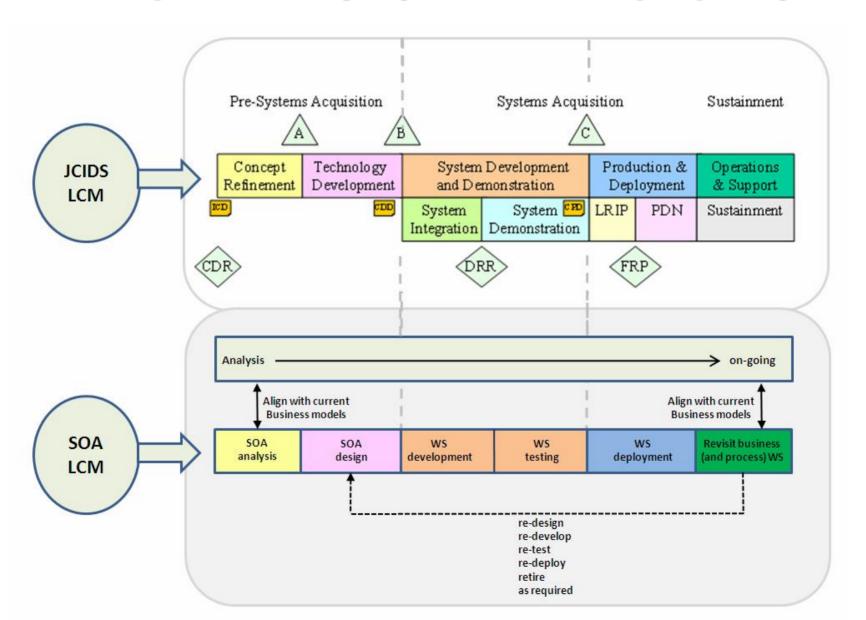


Figure 9, The six basic SOA life cycle activities



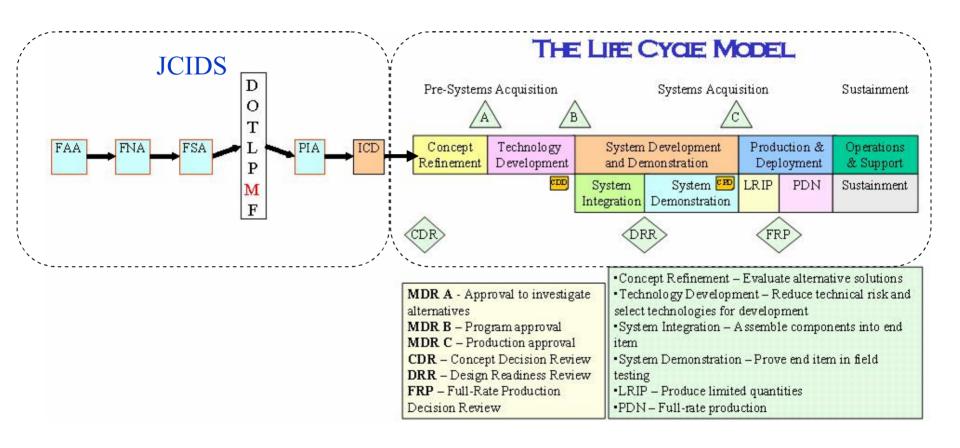


INTEGRATED SYSTEM LIFE CYCLES





DOD SYSTEM LIFE CYCLE



Process is precise, but takes a long time to deliver in a SOA World